

A- REQUEST

ECR : N/A

ECO : 4-

Nature of proposed change :	① NEED PART NO ID. FOR REGUL. NEEDS, (NO CHANGE TO ENGINEERING/DESIGN OF PRODUCT) ② NEED TO DISTINGUISH FROM BP44, see 314-0016-05. A ① NEED TO GE PROD. ID ENGRAVED ON PAD.
Reason :	
Submitted By :	NBARBEAU
Date :	2006.10.03

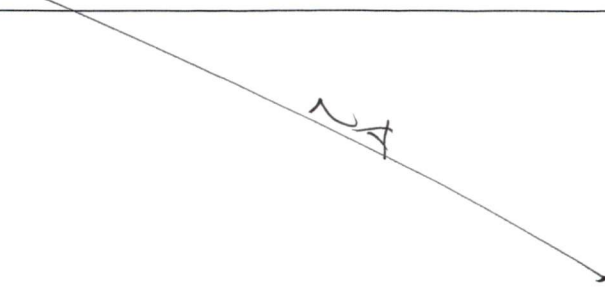
as per name file

B- IMPACT ANALYSIS

Product Manager	Signature : _____ /date : _____
Operation Manager	Signature : _____ /date : _____
Quality System Manager	Signature : _____ /date : _____
Regulatory affairs Manager	Signature : _____ /date : _____
Supplier A	Signature : _____ /date : _____
Supplier B	Signature : _____ /date : _____
Other	Signature : _____ /date : _____

Helitowcart - DESIGN CHANGE REQUEST-ORDER (ECR/ECO)	F20-01	Page 2 of 3
Reviewed & approved by: /		2006 09 09

C- DECISION

Risk analysis	
Signature : _____ /date : _____	

Decision	<p>CHANGE DWGS</p> <p>Signature : <u>J. Barba</u> /date : <u>2006.10.03</u></p>
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D- ACTION PLAN

Action	Resp	Due date :	Verified by :
GET UPDATED DWGS	DB		
GET NEW PRODUCTION WITH IDON LB	NB		
UPDATE DIF & DMR			

Effective date : <u>OCT 4, 2006</u>	Effective lot no : <u>NA</u>
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Helitowcart - DESIGN CHANGE REQUEST-ORDER (ECR/ECO)	F20-01	Page 3 of 3
Reviewed & approved by: _____ / _____		2006 09 09

E- VERIFICATION

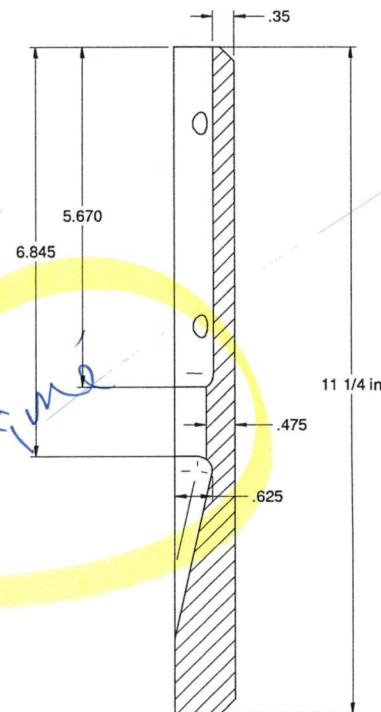
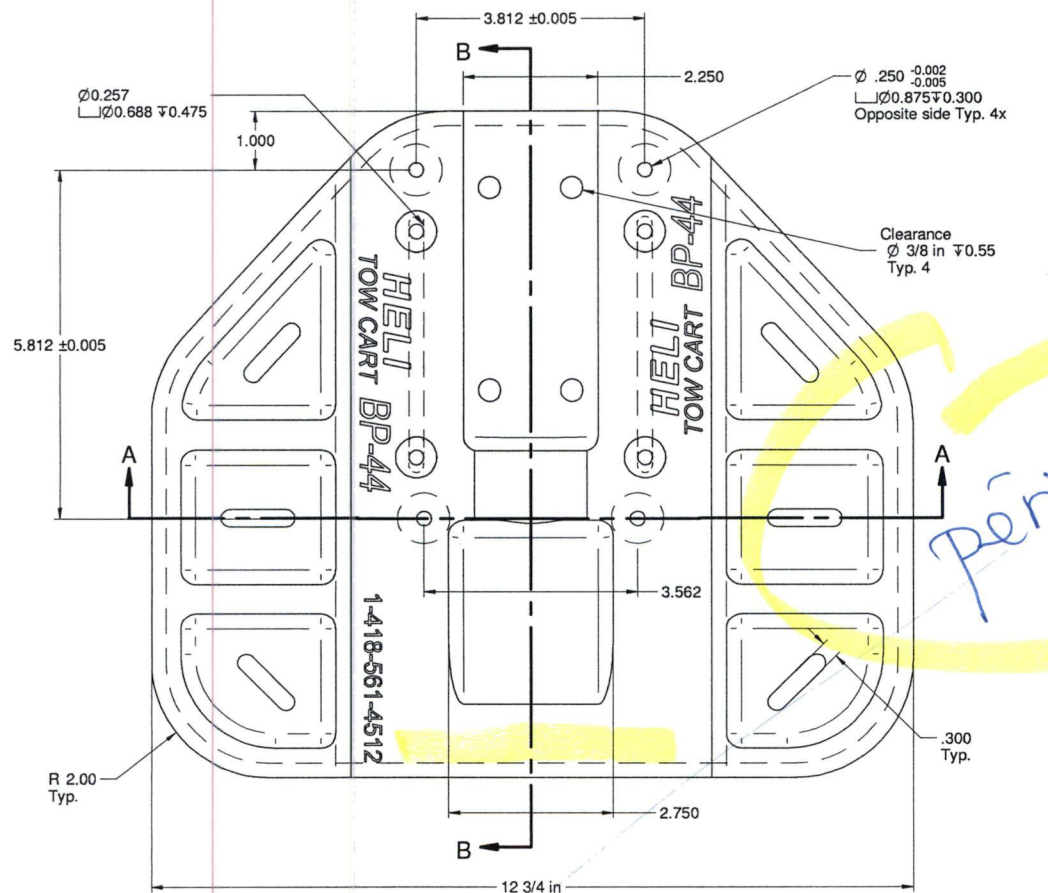
Verified Elements :	By/ date :

F- VALIDATION

Validated Elements :	By/ date :

G- CLOSURE

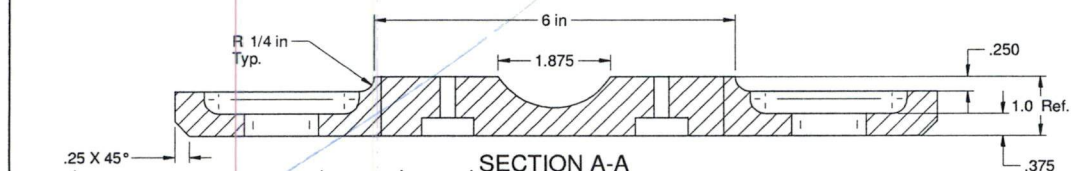
I confirm that the designated change has been performed successfully :	
Signature : _____	/date : _____



SECTION B-B

Note :

- Raw material specification : UHMW Polyethylene Sheet (1" x 11 1/2" x 13") See specs sheet
- Machined From File : VNR088.par
- Break corner 0.01 x 45 d
- If no indicated dimension

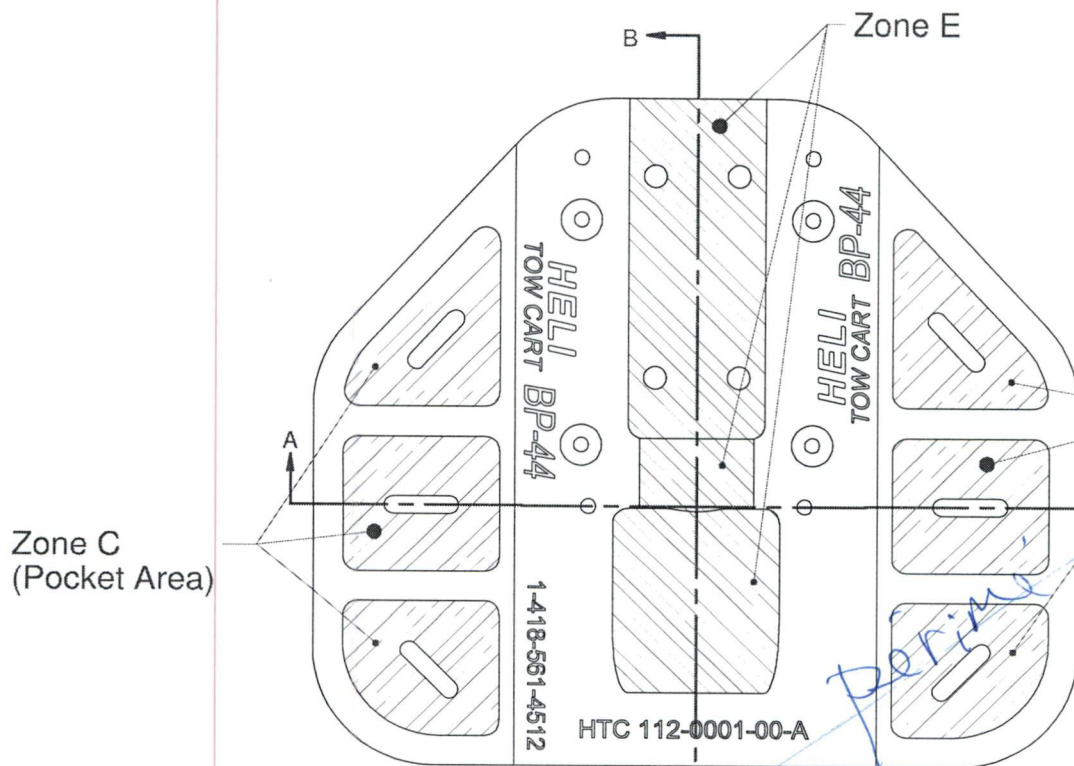


SECTION A-A

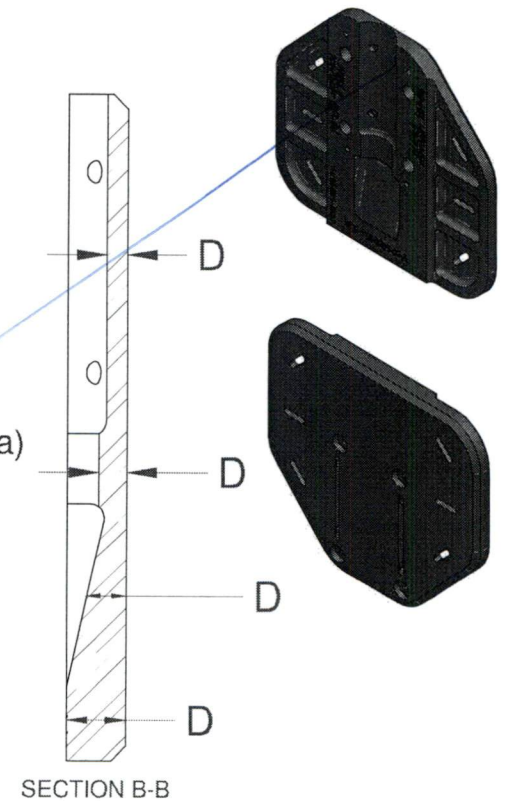
Rev.	Description	Date	By
R03	Issue for production	04-04-06	G.L.
R02	Révision Générale	23-03-06	G.L.
R01	Initial issue	27-02-06	G.L.

HELI TOW CART		St-Nicolas C Tél. Fax 3000
Titre / Title: Bearpaw - Pad		
Dessiné par / Drawing by: G. Lapointe		Date: (yyyy-mm-dd) 2006-04-24
Vérifié par / Checked by:		Numéro:
Approuvé par / Approved by: P. Bouteau		Date: (yyyy-mm-dd) 2006-09-07
Numéro:		

TOLERANCES
1/X ± 1/32"
X/XX ± 0.010"
X/XXX ±
ANGLE ± 1°
PROJECTION



Zone C
(Pocket Area)



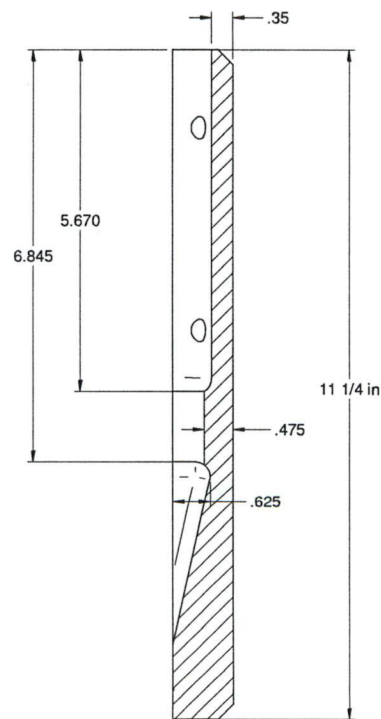
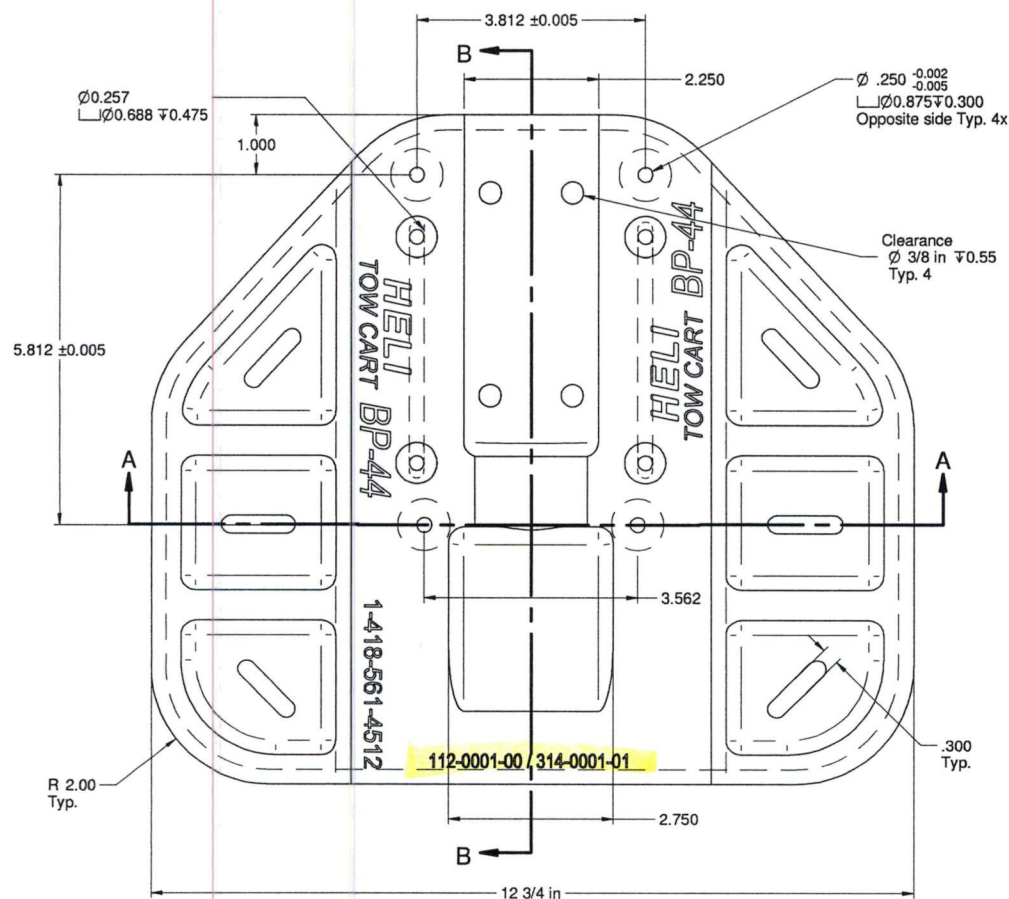
SECTION A-A

Rev.	Description	Date	By
R03	Issue for production	04-04-06	G.L.
R02	Révision Générale	23-03-06	G.L.
R01	Initial issue	27-02-06	G.L.

TOLERANCES

1/XX ± 1/32"
X.XXX ± 0.010"
ANGLE ± 1°

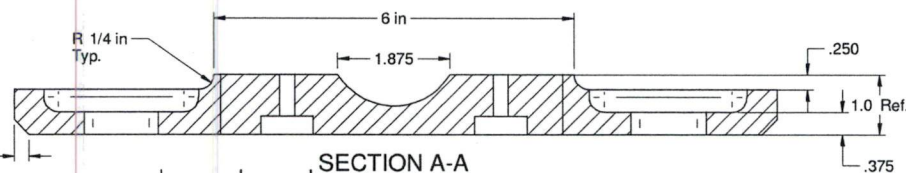
HELI TOW CART		Vanair Inc. 860, Marie-Victorin St-Nicolas, Lévis (Québec) Canada, G7A 3S9 Tél. : (418) 561-4512 Fax : (418) 836-2291 www.heliotowcart.com		THIS DOCUMENT IS PROPERTY OF VANAIR INC. WRITTEN PERMISSION FROM VANAIR INC. SHALL BE OBTAINED PRIOR TO COPYING, USING OR MODIFYING.	
Titre / Title: Bearpaw - Pad		Matière / Material:		See Note	
Dessiné par / Drawing by: G. Lapointe		Date (yyyy-mm-dd): 2006-04-24		Echelle / Scale: 1 : 2	
Vérifié par / Checked by:		Date (yyyy-mm-dd):		Numéro dessin / Drawing Number: VNR088	
Approuvé par / Approved by:		Date (yyyy-mm-dd): 06.04.06		Numéro de pièce / Part Number: 314-0001-01-A	
PROJECTION:		R03		R03	



SECTION B-B

Note :

- Raw material specification : UHMW Polyethylene Sheet (1" x 11 1/2" x 13") See specs sheet
- Machined From File : VNR088.par
- Break corner 0.01 x 45 deg. Typ.
- If no indicated dimension, follow 3D file specs.



SECTION A-A

Rev.	Description	Date	By
R03	Issue for production	04-04-06	G.L.
R02	Révision Générale	23-03-06	G.L.
R01	Initial issue	27-02-06	G.L.

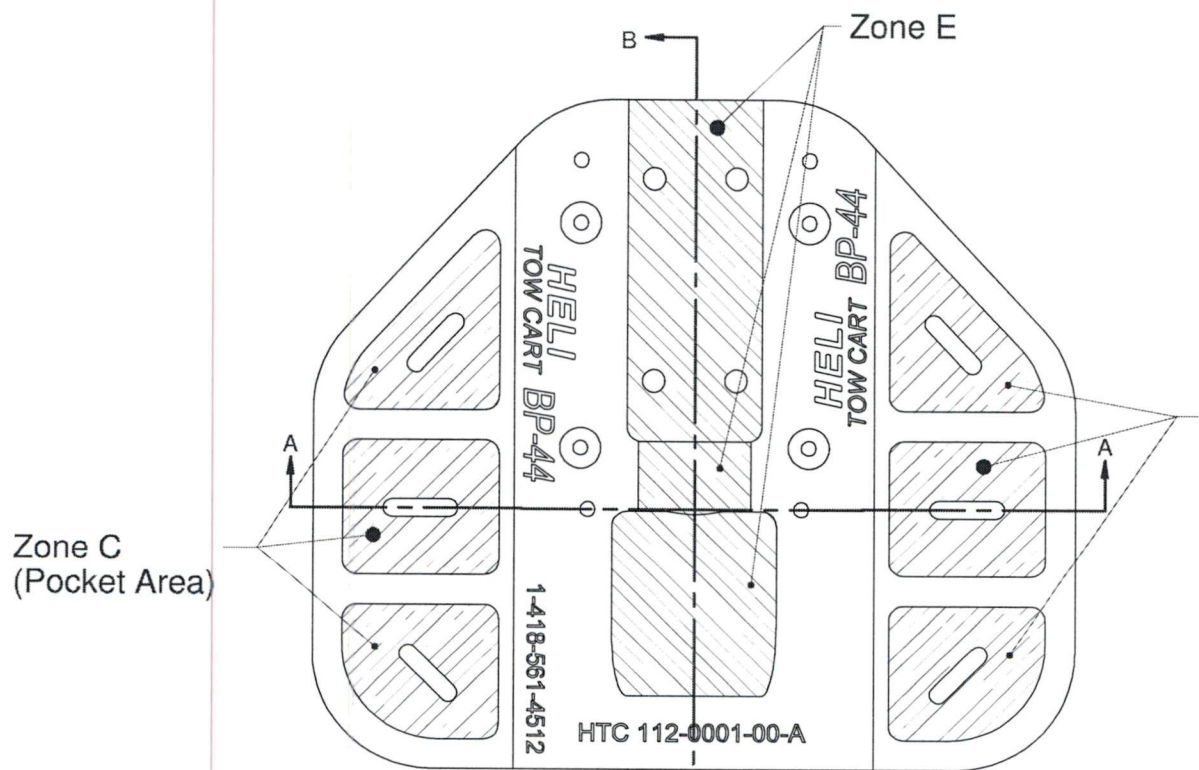


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Tél. : (418) 561-4512
Fax : (418) 596-2291
www.helitowcart.com

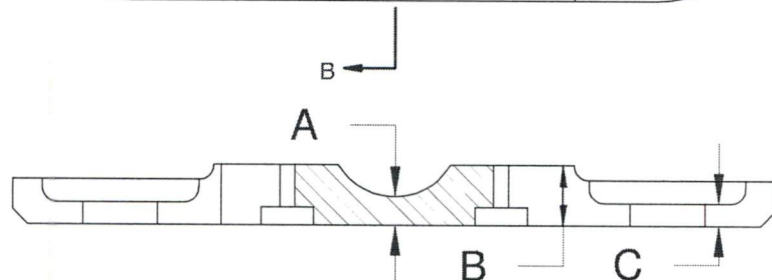
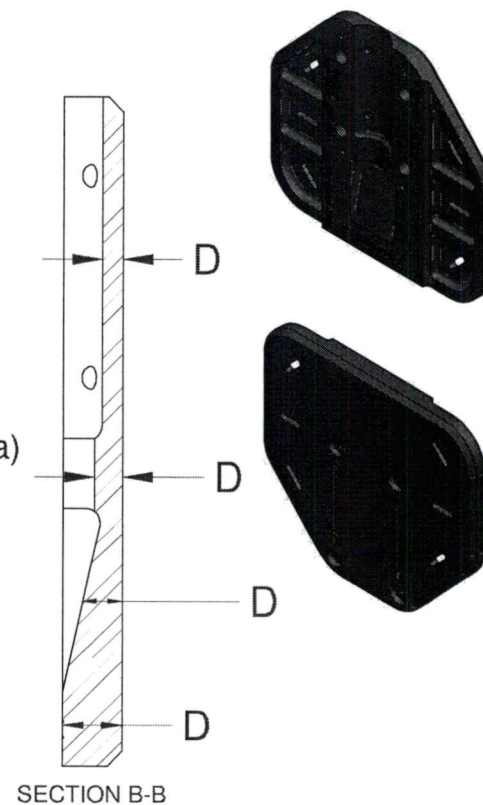
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MODIFYING.

TOLERANCES		Title / Titre		Material / Matière	
1/XX ± 1/32"		Bearpaw - Pad		See Note	
X/XX ± 0.010"		Dessiné par / Drawing by:	Date: (yyyy-mm-dd)	Format:	Echelle / Scale
X/XX ± 1°		G. Lapointe	2006-04-24	B	1 : 2
		Verifié par / Checked by:	Date: (yyyy-mm-dd)	Numéro dessin / Drawing Number	Page #
				VNR088	1 de 2
		Approuvé par / Approved by:	Date: (yyyy-mm-dd)	Numéro de pièce / Part Number	Rev #
				314-0001-01-A	R03

File 314-0001-01-A (vnr088) Bearpaw Pad (with laser engraved part no) (c)



Zone C
(Pocket Area)

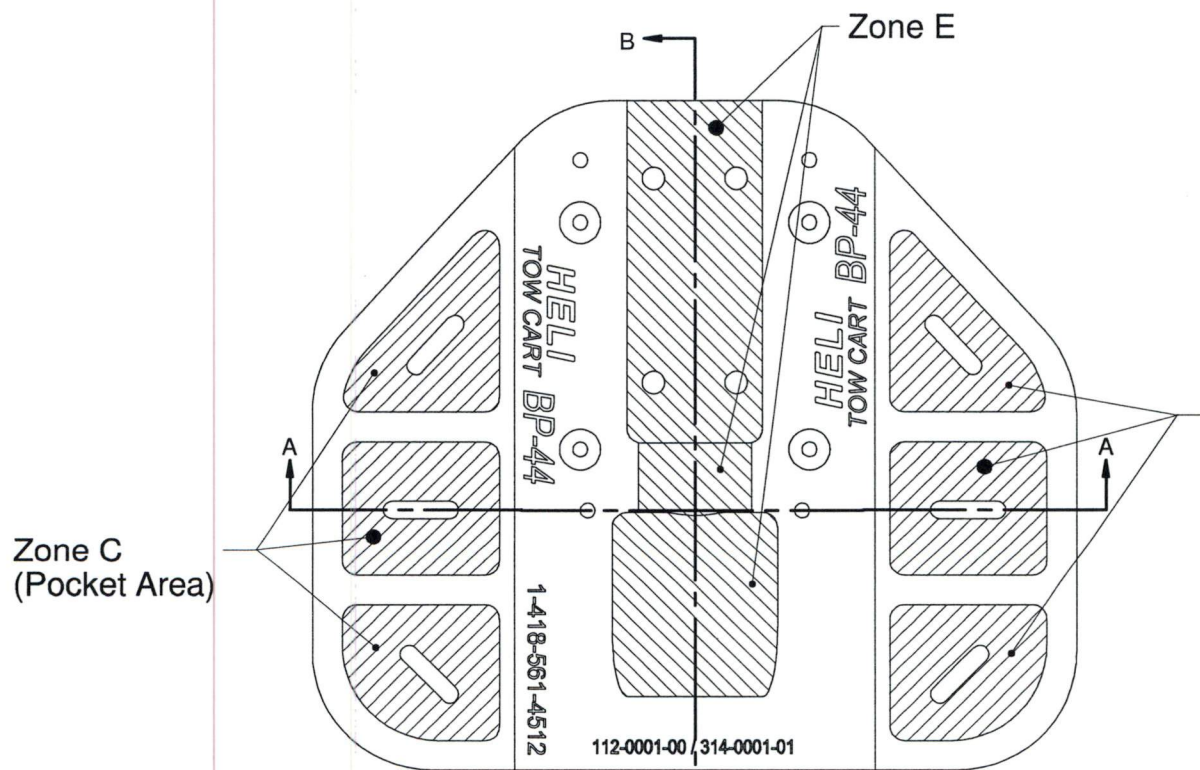


SECTION A-A

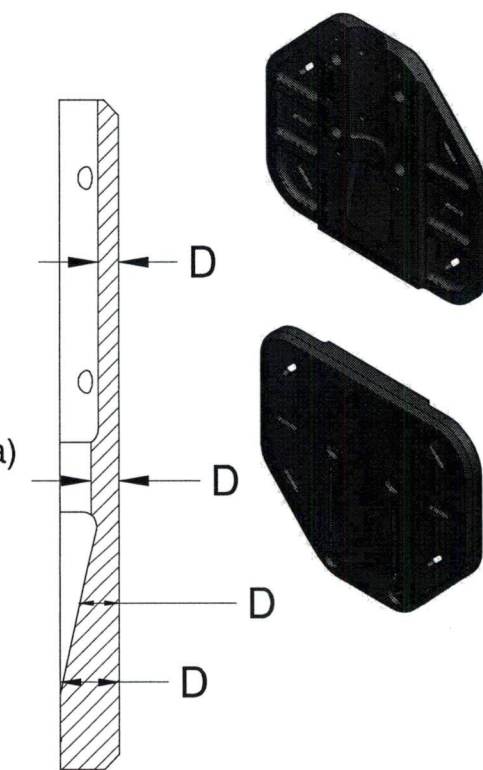
Rev.	Description	Date	By
R03	Issue for production	04-04-06	G.L.
R02	Révision Générale	23-03-06	G.L.
R01	Initial issue	27-02-06	G.L.

TOLERANCES
1/X ± 1/32"
XX ± 0.010"
XXX ±
ANGLE ± 1°
PROJECTION

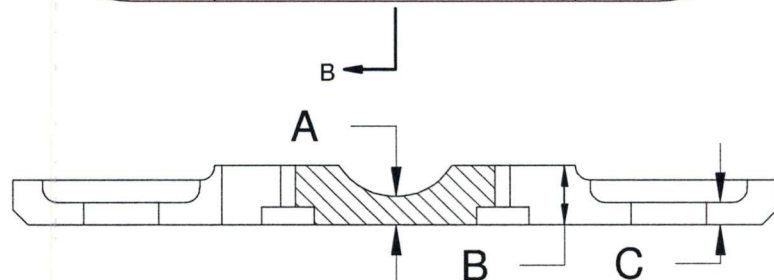
				Vanair Inc. 860, Marie-Victorin St-Nicolas, Lévis (Québec) Canada, G7A 3S9 Tél. : (418) 561-4512 Fax : (418) 836-2291 www.heliotowcart.com		THIS DOCUMENT IS PROPERTY OF VANAIR INC. WRITTEN PERMISSION FROM VANAIR INC. SHALL BE OBTAINED PRIOR TO COPYING, USING OR MODIFYING.	
Title / Titre Bearpaw - Pad				Master / Material		See Note	
Dessiné par / Drawing by G. Lapointe		Date: (yyyy-mm-dd) 2006-04-24		Format B		Echelle / Scale 1 : 2	
Vérifié par / Checked by		Date: (yyyy-mm-dd)		Numéro dessin / Drawing Number VNR088		Page # 2 de 2	
Approuvé par / Approved by		Date: (yyyy-mm-dd)		Numéro de pièce / Part Number 314-0001-01-A		Rev # R03	



Zone C
(Pocket Area)



SECTION B-B



SECTION A-A

Rev.	Description	Date	By
R03	Issue for production	04-04-06	G.L.
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		Vanair Inc. 860, Marie-Victorin St-Nicolas, Lévis (Québec) Canada, G7A 3S9 Tél. : (418) 561-4512 Fax : (418) 836-2291 www.helitowcart.com		THIS DOCUMENT IS PROPERTY OF VANAIR INC. WRITTEN PERMISSION FROM VANAIR INC. SHALL BE OBTAINED PRIOR TO COPYING, USING OR MODIFYING.	
TOLERANCES 1/16" ± 1/32" X.XX ± 0.010" X.XXX ± ANGLE ± 1°		PROJECTION		See Note	
Titre / Title Bearpaw - Pad		Dessiné par / Drawing by G. Lapointe		Date: (yyyy-mm-dd) 2006-04-24	
Vérifié par / Checked by		Date: (yyyy-mm-dd)		Formel : B	
Approuvé par / Approved by		Date: (yyyy-mm-dd)		Echelle / Scale: 1 : 2	
Numéro de pièce / Part Number 314-0001-01-A		Numéro de dessin / Drawing Number: VNR088		Page #: 2 de 2	
				Rev #: R03	



1- Heat Shrink:

- Brand Alpha Wire, Model FIT-221-1. 1"wide, Clear color
- Purchased in 1 meter length.
- Material: Polyolefin. A family of thermoplastics based upon the unsaturated olefins. When combined with butylene or styrene polymers, they form compounds such as polyethylene and polypropylene.

2- Install Shrink:

- Cut Shrink in 5" lengths. Insert into U clips.
- Set U clips on their side on aluminum sheet.
- Heat oven to 350F for 30 min.



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- Brand Alpha Wire, Model FIT-221-1. 1" wide, Clear color
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perinée